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25X1

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SECURITY INFORMATION

United States Government

-2-

May 12, 1952

accorded the remaining divisions of the system. Shipment for Divisions 1 and 5 will proceed from our Chicago Plant 60 days from date of firm purchase order. Shipment for the remaining divisions will proceed shortly thereafter.

It is our intention under this proposal that payment be made in accordance with our standard terms, net 30 days, items as shipped.

The price of equipment quoted on the attached sheets including electronic equipment, spare parts, buildings, towers and reflectors, totals \$281,254.13, taxes where applicable not included. Building prices include necessary foundations and wiring. Necessary foundations for "Remote" type equipment at locations as follows are not included:

LocationNumber of Foundations

3  
2  
1  
1

25X1

Prices are firm for 30 days from the date of this letter.

Prices quoted are FOB Chicago, with the exception of reflectors for mounting on existing towers, prices for which are FOB Sioux City, Iowa. Freight costs and shipping weights will be forwarded shortly.

Engineering services, including systems engineering involved in finalizing the system layout, preparing production information, final testing all equipment, field installation and alignment, and system optimization are listed in the items below:

Item I Engineering services associated with

25X1  
\$ 6,269.00 ✓ 25X1

Item II Engineering services associated with

6,004.50 ✓ 25X1

Item III Engineering services associated with

40,940.50 ✓ 25X1

\$ 53,215.00

FOR 3	REV DATE 15/3/80	BY 37/69
ORIG COMP 33	QPI 56	TYPE 2
ORIG CLASS 5	PAGES 10	REV CLASS C
JUST 22	NEXT REV 2410	AUTH: HR 70-2

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Item MW

LOCATION ☐ cont.

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2054-4

Subcarrier Patching Facilities consisting of:

Terminal blocks, cabling,  
patch cords and associated  
equipment required to pro-  
vide patching facilities for  
twelve subcarrier channels,  
and also to be used in con-  
junction with the teletype  
multiplexing equipment to  
provide teletype patching.

48

20 TT  
+ 15 voice wire ccts.

\$6,707.28

2054-5

Teletype Multiplexing Equipment consisting of:

- (a) Thirty AFC dual channel transmitters.
- (b) Twenty-seven AFC dual channel receivers
- (c) Twenty-two AFC power supplies
- (d) Twelve fixed rack cabinets
- (e) Cabling and terminal boards

Note: This equipment will be supplied adapted to utilize the WE 255-A relay, but not equipped with these relays.

Total item \$ 31, 826.50

Location ☐ Total

~~\$ 72,295.78~~ 25X1

# 72,795.78

# 12,295.78

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Item MW

LOCATION ☐ CONT.

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2054-10

Teletype multiplexing equipment consisting of:

- (a) Twelve AFC dual channel transmitters
- (b) Twelve AFC dual channel receivers
- (c) Eight AFC power supplies
- (d) Four fixed rack cabinets
- (e) Necessary cabling and terminal boards

Total Item

\$ 10,248.00

*\$31,934.38 ✓*

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DIVISION 1

Item MW

LOCATION 

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2054-11

Tower and Antenna: One 6' x 8' reflector will be supplied and mounted on an existing tower at the 150' level \$ 850.00

2054-12

R.F. Equipment consisting of:

- (a) One Remote type terminal station complete with parabolic antenna and full standby equipment and necessary cabling \$

Note: This equipment is listed as a terminal for purposes of allocating it properly by division. Location 0 will actually be supplied one Remote type repeater station assembled to operate as two terminal stations.

~~Total item, division 1~~ \$

- (b) Two Sola voltage regulating transformer, 2 KVA \$  
Total item, division 1 \$6,144.00

2054-13

Subcarrier Multiplexing and Patching:

- (a) Two twelve channel basic multiplex assemblies  
(b) Twenty-two subcarrier receivers  
(c) Twenty-two subcarrier transmitters  
(d) Twenty-two voice terminations  
(e) Necessary cabling and blank panels

Total item, division 1 \$ 4,865.40

2054-14

Teletype Multiplexing:

- (a) Eighteen AFC dual channel transmitters  
(b) Eighteen AFC dual channel receivers  
(c) Twelve AFC power supplies  
(d) Six fixed rack cabinets  
(e) Necessary cabling & terminal boards

Total item, division 1 \$ 7,786.00

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19,645.40 ✓

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DIVISION 2 (continued)

<u>Item MW</u>	<u>LOCATION</u> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 15px; vertical-align: middle;"></span>	25X1
2054-20	<u>Tower and Antennas:</u> (Tower and reflector not required) - Vertical mount antenna kit (A frame)	None
2054-21	<u>R.F. Equipment:</u> (Equipment now at Location C to be removed to Location K - <del>No</del> New equipment required) Total item (90/a)	\$ 245.00
2054-22	<u>Multiplexing and Patching:</u> (Equipment now at Location C to be removed to Location K - <del>No</del> New equipment required) Total item	\$ 1,042.92
2054-23	<u>Teletype Multi-plexing:</u> Five dual channels PA-7705-E, AF Carrier Transmitters and five dual channels PA-7706A AF Carrier Receivers (Ten channels each transmit and receive) and DC breakin unit to provide one teletype loop circuit Total item	\$ 4,409.00

\$5,696.92 ✓

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DIVISION 3

Item MW

LOCATION

25X1

2054-28

Antenna and Tower:

One, H type, dual guyed micro-wave tower, 100 ft. in height delivered and erected, complete with one 6' x 8' reflector top mounted including A-2 lighting.

Price installed \$ 3,498.70

2054-29

Building:

One 9'4" x 12'0" "Armco" steel building to house Motorola "Micropackage" type microwave equipment (see next item below)

Price installed \$ 2,187.50

2054-30

R.F. Equipment:

(a) One Motorola "Micropackage" type terminal equipment complete with standby electronic equipment and one antenna

\$

(b) One Sola voltage regulating transformer, 2 KVA

\$

Total item

\$ 6,020.00

2054-31

Multiplexing:

Subcarrier transmitting and receiving equipment consisting of

(a) One ten channel basic assembly, comprising cabinet, subcarrier frames, power supply meter panel and one cable kit.

(b) Six subcarrier receivers

(c) Six subcarrier transmitters

(d) Six voice terminations

Price \$ 4,444.92

2054-32

Teletype Multiplexing:

Seven dual channels Motorola PA-7705-D, Audio Frequency Carrier transmitter and Seven dual channels Motorola PA7706-A AFC receivers (14 channels transmit and receive total) for providing 14 teletype channels on subcarrier channels.

Price \$ 5,439.00

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\$21,590.12 ✓

## SECURITY INFORMATION

DIVISION 4

Item MW

LOCATION 

25X1

2054-33

Antenna and Tower Requirement:

One H-type, dual, guyed micro-wave tower 200 feet in height delivered and erected complete with two 8' x 12' reflectors top mounted incl. A-3 lighting

\$ 7,354.65

2054-34

R.F. Equipment consisting of:

(a) One remote type repeater equipment complete with standby electronic equipment and antennas

\$

(b) Two Sola voltage regulating transformers, 2 KVA

\$

Total item

\$ 12,444.00

2054-35

Subcarrier Multiplexing and Patching Equipment:

(a) Two twelve channel multiplexing assemblies made up of a total of four cabinets, eight subcarrier frames, two power supplies, four meter panels and two cable kits.

(b) Twelve subcarrier receivers

(c) Twelve subcarrier transmitters

(d) Twelve voice terminations

Total item

\$7,814.22

2054-36

Teletype Multiplexing Equipment:

(a) Seven AFC dual channel receivers

(b) Twelve AFC dual channel transmitters

(c) Ten AFC power supplies

(d) Six fixed rack cabinets

(e) Necessary cabling and terminal boards

Total item

\$ 9,065.00

#36,677.87 ✓

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## DIVISION 4

Item MW

LOCATION ☐

25X1

2054-37

Tower and Antenna:

One, H type, dual guyed microwave tower 200 ft. in height, delivered and erected complete with one 8' x 12' reflector, top mounted.

Price incl. A-3 lighting

\$ 6,834.75

2054-38

R.F. Equipment:

- (a) Motorola "Remote" type equipment to be removed from Location D for re-installation at Location M. (No increase in length of control cable)

None

- (b) One Sola voltage regulating transformers, 2 KVA

\$ 245.00

Equipment Price

None

2054-39

Multiplex Equipment:

Subcarrier transmitting, receiving voice terminal, and necessary mounting equipment, ten channels to be removed from Location D and relocated at Location M \$4,284.80

2054-40

Teletype and Telegraph Multiplexing:

- (a) One AFC dual channel transmitter
- (b) Nine AFC dual channel receivers
- (c) Four AFC power supplies
- (d) Three fixed rack cabinets
- (e) Necessary cabling and terminal boards

Total item

\$ 5,269.00

\$16,633.55 ✓

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DIVISION 5

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Item MW

LOCATION

2054-41

Tower and Antenna: One 6' x 8' reflector will be supplied and mounted on an existing tower at the 150' level \$ 850.00

2054-42

R.F. Equipment consisting of:

- (a) One Remote type terminal station complete with parabolic antenna and full standby equipment and necessary cabling. \$

Note: This equipment is listed as a terminal for purposes of allocating it properly by division. Location 0 will actually be supplied one Remote type repeater station assembled to operate as two terminal stations.

~~Total item, division 5~~ \$

- (b) Two Sola voltage regulating transformer, 2 KVA \$  
Total item, division 5 \$6,144.00

2054-43

Subcarrier Multiplexing and Patching:

- (a) Two twelve channel basic multiplex assemblies.  
(b) Twenty-two subcarrier receivers  
(c) Twenty-two subcarrier transmitters  
(d) Twenty-two voice terminations  
(e) Necessary cabling and blank panels

Total item, division 5 \$ 4,865.40

2054-44

Teletype Multiplexing:

- (a) Eighteen AFC dual channel transmitters  
(b) Eighteen AFC dual channel receivers  
(c) Twelve AFC power supplies  
(d) Six fixed rack cabinets  
(e) Necessary cabling and terminal boards

Total item, division 5 \$ 7,786.00

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#19,645.40 ✓

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DIVISION 5

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Item MW

LOCATION

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2054-45

Antenna:

No tower or reflector will be utilized at this location.

2054-46

R.F. Equipment:

- (a) One Remote type terminal equipment complete with parabolic antenna suitable for vertical mounting, vertical mounting kit and full standby equipment and necessary cabling (150 feet). \$

- (b) One Sola voltage regulating transformer, 2 KVA \$

Total item

\$7,199.00

2054-47

Subcarrier Multiplex and Patching:

- (a) One twelve channel basic Multiplex assembly
- (b) Ten subcarrier transmitters
- (c) Ten subcarrier receivers
- (d) Ten voice terminations
- (e) Associated cabling and blank panels

Total item

\$ 4,464.92

2054-48

Teletype Multiplex:

- (a) Six AFC dual channel transmitters
- (b) Six AFC dual channel receivers
- (c) Four AFC power supplies
- (d) Two fixed rack cabinets
- (e) Necessary cabling and terminal boards

Total item

\$ 5,124.00

\$16,787.92

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